

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101605,452C
Source: IFU016
Date Processed by STIC: 1/13/06

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 01/13/2006
 PATENT APPLICATION: US/10/605,452C TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt
 Output Set: N:\CRF4\01132006\J605452C.raw

3 <110> APPLICANT: Kerr, William G.
 4 Ninos, John M.
 6 <120> TITLE OF INVENTION: Novel SH2containing Inositol 5'-phosphatase Isoform That
 Partners
 7 With The Grb2 Adapter Protein
 9 <130> FILE REFERENCE: USF-211XT
 11 <140> CURRENT APPLICATION NUMBER: 10/605,452C
 12 <141> CURRENT FILING DATE: 2003-09-30
 14 <150> PRIOR APPLICATION NUMBER: 60/319,583
 15 <151> PRIOR FILING DATE: 2002-09-30
 17 <160> NUMBER OF SEQ ID NOS: 18
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 4125
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Mus musculus
 26 <400> SEQUENCE: 1
 28 Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
 29 1 5 10 15
 32 Gly Ala Ala Cys Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
 33 20 25 30
 36 Cys Thr Cys Thr Gly Cys Thr Cys Cys Ala Gly Gly Gly Ala Ala
 37 35 40 45
 40 Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
 41 50 55 60
 44 Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
 45 65 70 75 80
 48 Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Gly Ala Cys
 49 85 90 95
 52 Cys Ala Ala Cys Ala Gly Cys Thr Cys Cys Cys Cys Ala Gly
 53 100 105 110
 56 Gly Cys Cys Thr Thr Cys Gly Cys Cys Ala Cys Gly Ala Cys Cys
 57 115 120 125
 60 Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
 61 130 135 140
 64 Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
 65 145 150 155 160
 68 Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Cys Thr Cys Ala Gly
 69 165 170 175
 72 Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
 73 180 185 190
 76 Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
 77 195 200 205
 80 Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/605,452C

DATE: 01/13/2006
TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt
Output Set: N:\CRF4\01132006\J605452C.raw

81	210	215	220
84	Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Cys Thr Cys Ala		
85	225	230	235
88	Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Cys		240
89	245	250	255
92	Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys		
93	260	265	270
96	Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly		
97	275	280	285
100	Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly		
101	290	295	300
104	Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr		
105	305	310	315
108	Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys		320
109	325	330	335
112	Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Ala Ala Ala Cys		
113	340	345	350
116	Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys		
117	355	360	365
120	Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly		
121	370	375	380
124	Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys		
125	385	390	395
128	Ala Cys Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala		400
129	405	410	415
132	Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly		
133	420	425	430
136	Ala Ala Gly Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr		
137	435	440	445
140	Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala		
141	450	455	460
144	Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala		
145	465	470	475
148	Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr		480
149	485	490	495
152	Ala Thr Gly Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys		
153	500	505	510
156	Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys		
157	515	520	525
160	Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys		
161	530	535	540
164	Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala		
165	545	550	555
168	Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala		560
169	565	570	575
172	Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala		
173	580	585	590
176	Cys Cys Ala Thr Cys Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys		
177	595	600	605

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/605,452C

DATE: 01/13/2006
TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt
Output Set: N:\CRF4\01132006\J605452C.raw

180 Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Thr Ala Ala Thr
181 610 615 620
184 Gly Cys Ala Cys Cys Cys Cys Thr Cys Cys Ala Ala Gly Ala
185 625 630 635 640
188 Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
189 645 650 655
192 Thr Cys Thr Cys Thr Cys Ala Ala Gly Gly Gly Cys Ala Gly
193 660 665 670
196 Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Ala Cys Gly
197 675 680 685
200 Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
201 690 695 700
204 Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
205 705 710 715 720
208 Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
209 725 730 735
212 Ala Gly Gly Ala Thr Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
213 740 745 750
216 Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
217 755 760 765
220 Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
221 770 775 780
224 Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
225 785 790 795 800
228 Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Cys Ala
229 805 810 815
232 Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
233 820 825 830
236 Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
237 835 840 845
240 Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
241 850 855 860
244 Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
245 865 870 875 880
248 Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
249 885 890 895
252 Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
253 900 905 910
256 Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
257 915 920 925
260 Cys Cys Cys Thr Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
261 930 935 940
264 Ala Gly Cys Ala Gly Thr Gly Gly Ala Gly Thr Gly Thr Cys Cys
265 945 950 955 960
268 Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
269 965 970 975
272 Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Thr Thr Cys Gly Thr
273 980 985 990
276 Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/605,452C

DATE: 01/13/2006
TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt
Output Set: N:\CRF4\01132006\J605452C.raw

277	995	1000	1005	
280	Thr Cys	Thr Gly Gly Ala Ala	Gly Cys Gly Ala Ala	Ala Ala Ala
281	1010	1015	1020	
284	Ala Ala	Gly Cys Thr Cys Ala	Gly Gly Ala Gly Ala	Ala Ala Thr
285	1025	1030	1035	
288	Cys Ala	Ala Ala Ala Cys Thr	Ala Thr Ala Thr Gly	Ala Ala Cys
289	1040	1045	1050	
292	Ala Thr	Cys Cys Thr Gly Cys	Gly Gly Thr Thr Cys	Cys Thr Gly
293	1055	1060	1065	
296	Gly Cys	Cys Cys Thr Gly Gly	Gly Ala Gly Ala Cys	Ala Ala Gly
297	1070	1075	1080	
300	Ala Ala	Gly Cys Thr Ala Ala	Gly Cys Cys Cys Ala	Thr Thr Thr
301	1085	1090	1095	
304	Ala Ala	Cys Ala Thr Cys Ala	Cys Cys Cys Ala Cys	Cys Gly Cys
305	1100	1105	1110	
308	Thr Thr	Cys Ala Cys Cys Cys	Ala Cys Cys Thr Cys	Thr Thr Cys
309	1115	1120	1125	
312	Thr Gly	Gly Cys Thr Thr Gly	Gly Gly Gly Ala Thr	Cys Thr Cys
313	1130	1135	1140	
316	Ala Ala	Cys Thr Ala Cys Cys	Gly Cys Gly Thr Gly	Gly Ala Gly
317	1145	1150	1155	
320	Cys Thr	Gly Cys Cys Cys Ala	Cys Thr Thr Gly Gly	Gly Ala Gly
321	1160	1165	1170	
324	Gly Cys	Ala Gly Ala Gly Gly	Cys Cys Ala Thr Cys	Ala Thr Cys
325	1175	1180	1185	
328	Cys Ala	Gly Ala Ala Gly Ala	Thr Cys Ala Ala Gly	Cys Ala Ala
329	1190	1195	1200	
332	Cys Ala	Gly Cys Ala Gly Thr	Ala Thr Thr Cys Ala	Gly Ala Cys
333	1205	1210	1215	
336	Cys Thr	Thr Cys Thr Gly Gly	Cys Cys Cys Ala Cys	Gly Ala Cys
337	1220	1225	1230	
340	Cys Ala	Ala Cys Thr Gly Cys	Thr Cys Cys Thr Gly	Gly Ala Gly
341	1235	1240	1245	
344	Ala Gly	Gly Ala Ala Gly Gly	Ala Cys Cys Ala Gly	Ala Ala Gly
345	1250	1255	1260	
348	Gly Thr	Cys Thr Thr Cys Cys	Thr Gly Cys Ala Cys	Thr Thr Thr
349	1265	1270	1275	
352	Gly Ala	Gly Gly Ala Gly Gly	Ala Ala Gly Ala Gly	Ala Thr Cys
353	1280	1285	1290	
356	Ala Cys	Cys Thr Thr Cys Gly	Cys Cys Cys Cys Cys	Ala Cys Cys
357	1295	1300	1305	
360	Thr Ala	Thr Cys Gly Ala Thr	Thr Thr Gly Ala Ala	Ala Gly Ala
361	1310	1315	1320	
364	Cys Thr	Gly Ala Cys Cys Cys	Gly Gly Gly Ala Cys	Ala Ala Gly
365	1325	1330	1335	
368	Thr Ala	Thr Gly Cys Ala Thr	Ala Cys Ala Cys Gly	Ala Ala Gly
369	1340	1345	1350	
372	Cys Ala	Gly Ala Ala Ala Gly	Cys Ala Ala Cys Ala	Gly Gly Gly
373	1355	1360	1365	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/605,452C

DATE: 01/13/2006
TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt
Output Set: N:\CRF4\01132006\J605452C.raw

376 Ala Thr Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly
 377 1370 1375 1380
 380 Cys Cys Gly Thr Cys Cys Thr Gly Gly Thr Gly Cys Gly Ala Cys
 381 1385 1390 1395
 384 Cys Gly Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly
 385 1400 1405 1410
 388 Thr Cys Thr Thr Ala Cys Cys Cys Gly Cys Thr Gly Gly Thr Gly
 389 1415 1420 1425
 392 Cys Ala Thr Gly Thr Gly Gly Thr Cys Thr Gly Thr Cys Ala Gly
 393 1430 1435 1440
 396 Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
 397 1445 1450 1455
 400 Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
 401 1460 1465 1470
 404 Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
 405 1475 1480 1485
 408 Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
 409 1490 1495 1500
 412 Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
 413 1505 1510 1515
 416 Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys 1530 Thr Cys Cys
 417 1520 1525 1530
 420 Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
 421 1535 1540 1545
 424 Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
 425 1550 1555 1560
 428 Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
 429 1565 1570 1575
 432 Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
 433 1580 1585 1590
 436 Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
 437 1595 1600 1605
 440 Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys
 441 1610 1615 1620
 444 Thr Ala Cys Thr Thr Gly Gly Ala Gly Thr Thr Cys Cys Ala Cys
 445 1625 1630 1635
 448 Thr Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Ala Gly Ala Gly
 449 1640 1645 1650
 452 Ala Gly Thr Thr Thr Thr Gly Thr Cys Ala Ala Gly Ala Gly Thr
 453 1655 1660 1665
 456 Cys Ala Gly Gly Ala Ala Gly Gly Ala Gly Ala Gly Ala Ala Thr
 457 1670 1675 1680
 460 Gly Ala Ala Gly Ala Gly Gly Ala Ala Gly Thr Gly Ala Ala
 461 1685 1690 1695
 464 Gly Gly Ala Gly Ala Gly Cys Thr Gly Gly Thr Gly Gly Thr Ala
 465 1700 1705 1710
 468 Cys Gly Gly Thr Thr Thr Gly Gly Ala Gly Ala Gly Ala Cys Thr
 469 1715 1720 1725
 472 Cys Thr Thr Cys Cys Ala Ala Gly Cys Thr Ala Ala Ala Gly

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/605,452C

DATE: 01/13/2006

TIME: 08:43:35

Input Set : A:\Nov05.ST25.txt

Output Set: N:\CRF4\01132006\J605452C.raw